

WHAT IS CLAIMED IS:

1. A weather strip comprising:

a trimming portion having a substantially U-shaped cross section and attachable to a surrounding part of a door opening
5 of a vehicle, said trimming portion having an outer side wall portion, an inner side wall portion, and a connecting portion for connecting said outer and inner side wall portions to each other; and

a hollow seal portion connected to said trimming portion
10 at a first connection portion, which is placed substantially at a boundary portion between said connecting portion and said outer side wall portion, and at a second connection portion, which is placed closer to a leading end of said outer side wall portion than said first connection portion, and adapted to be
15 more flexible than said trimming portion;

a projecting portion provided in said second connection portion in such a way as to extend from said outer side wall portion of said trimming portion,

wherein a thickness of said projecting portion along a
20 direction, in which said outer side wall portion extends, is larger than a thickness of a part of said seal portion, which is pressure-contacted to a peripheral portion of the door .

2. A weather strip according to claim 1, wherein a
25 thickness of a base end part of said projecting portion is equal

to or more than twice a thickness of said part of said seal portion.

3. A weather strip according to claim 1, wherein a
5 thickness of base end part of said projecting portion is equal to or more than one-fourth of a length from a leading end part of said outer side wall portion to a boundary portion between said connecting portion and said base end part.

10 4. A weather strip according to claim 1, wherein a thickness of a leading end part of said projecting portion is equal to or more than twice a thickness of said part of said seal portion.

15 5. A weather strip according to claim 1, wherein a projection length from a base end part of said projecting portion to a leading end part thereof is larger than a thickness of said part of said seal portion.

20 6. A weather strip according to claim 5, wherein the projection length is equal to or more than twice a thickness of said part of said seal portion.

7. A weather strip according to claim 1, wherein a
25 sectional area of said projecting portion is equal to or more

than four times an area obtained by square of a thickness of said part of said seal portion.

8. A weather strip according to claim 1, wherein the
5 entirety of said seal portion is formed in such a way as to be placed closer to a side of said first connection portion than at least said second connection portion in the direction, in which said outer side wall portion extends.

10 9. A weather strip according to claim 1, further comprising a sponge layer extending from said seal portion and provided on an outer surface of said projecting portion, which is opposite to a side facing a hollow part of said seal portion.

15 10. A weather strip according to claim 1, further comprising: a film layer provided on outer surface of each of said seal portion and said projecting portion; and
a sponge layer extending from said seal portion and provided between an outer surface of said projecting portion and said
20 film layer.

11. A weather strip according to claim 10, wherein a thickness of said film layer is equal to or less than 0.4mm.

25 12. A weather strip according to claim 9, wherein a

thickness of said sponge layer is equal to or more than 0.4mm.

13. A weather strip according to claim 9, wherein said sponge layer reaches said outer side wall portion.

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14. A weather strip according to claim 9, wherein at said second connection portion, an outer surface of said projecting portion is connected to a leading end part of said outer side wall portion, and wherein said sponge layer reaches said leading
10 end part of said outer side wall portion.

15. A weather strip according to claim 9, wherein a thickness of said sponge layer is substantially uniform over the entirety thereof.

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16. A weather strip according to claim 9, wherein a thickness of said end portion of said part of said projecting portion is equal to or more than half of a thickness of said seal portion at a boundary portion between said end portion
20 and said seal portion.

17. A weather strip according to claim 10, wherein a thickness of said sponge layer is equal to or more than 0.4mm.

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18. A weather strip according to claim 10, wherein said

sponge layer reaches said outer side wall portion.

19. A weather strip according to claim 10, wherein at
said second connection portion, an outer surface of said
5 projecting portion is connected to a leading end part of said
outer side wall portion, and wherein said sponge layer reaches
said leading end part of said outer side wall portion.

20. A weather strip according to claim 10, wherein a
10 thickness of said sponge layer is substantially uniform over
the entirety thereof.

21. A weather strip according to claim 10, wherein a
thickness of said end portion of said part of said projecting
15 portion is equal to or more than half of a thickness of said
seal portion at a boundary portion between said end portion
and said seal portion.